

Title: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH

THE HER-2/NEU ONCOGENE IS ASSOCIATED Express Mail No. EV336597813US

Inventor(s): Martin A. Cheever and Mary L. Disis Docket No. 920010.448C10

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75
MELAALCRWGLLLALLPPGAASTQVCTGTDMKLRLPASPETHLDMLRHLYQGCQVVQGNLELTYPNASLSFLQ

80 85 90 95 100 105 110 115 120 125 130 135 140 145 150
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155 160 165 170 175 180 185 190 195 200 205 210 215 220 225
GGVLIQRNPQLCYQDTILWKDIFHKNNQLALTLIDTNRSRACHPCSPMCKGSRCWGESSEDCQSLTRTVCAGGA

230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
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305 310 315 320 325 330 335 340 345 350 355 360 365 370 375
YNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVRAVTSANIQEFAGCKKIFGSLA

380 385 390 395 400 405 410 415 420 425 430 435 440 445 450
FLPESFDGPASNTAPLQPEQLQVFFETLEEITGYLYISAWPDSLPDLSVFQNLQVIRGRILHNGAYSLTLQGLGI

455 460 465 470 475 480 485 490 495 500 505 510 515 520 525
SWLGLRSLRELGSGLALIHNNTHLCFVHTVPWDQLFRNPHQALLHTANRPEDECVGEGLACHQLCARCHCWGPGP

530 535 540 545 550 555 560 565 570 575 580 585 590 595 600
TQCVNCSQFLRGQECVEECRVLQGLPREYVNARHCLPCHPECQPQNGSVTCFGPEADQCVACAHYKDPPFCVARC

605 610 615 620 625 630 635 640 645 650 655 660 665 670 675
PSGVKPDLSYMPIWKFPDEEGACQPCPINCTHSCVDLDDKGCPAEQRASPLTSIISAVVGILLVVVLGVVFGILI

680 685 690 695 700 705 710 715 720 725 730 735 740 745 750
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755 760 765 770 775 780 785 790 795 800 805 810 815 820 825
AIKVLRENTSPKANKEILDEAYVMAGVGSPYVSRLLGICLTSTVQLVTQLMPYGCLLDHVRENRGRLGSDQLLNN

830 835 840 845 850 855 860 865 870 875 880 885 890 895 900
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HQSDVWSYGVTVWELMTFGAKPYDGIPAREIPDLLEKGERLPQPPICTIDVYMIMVKCWMIDSECRPRFRELVSE

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1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125
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1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200
GYVAPLTCSPQPEYVNQPDVRPQPPSPREGPLPAARPAGATLERPKTLSPGKNGVVKDVFAGGAVENPEYLTPQ

1205 1210 1215 1220 1225 1230 1235 1240 1245 1250 1255
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FIG. 1

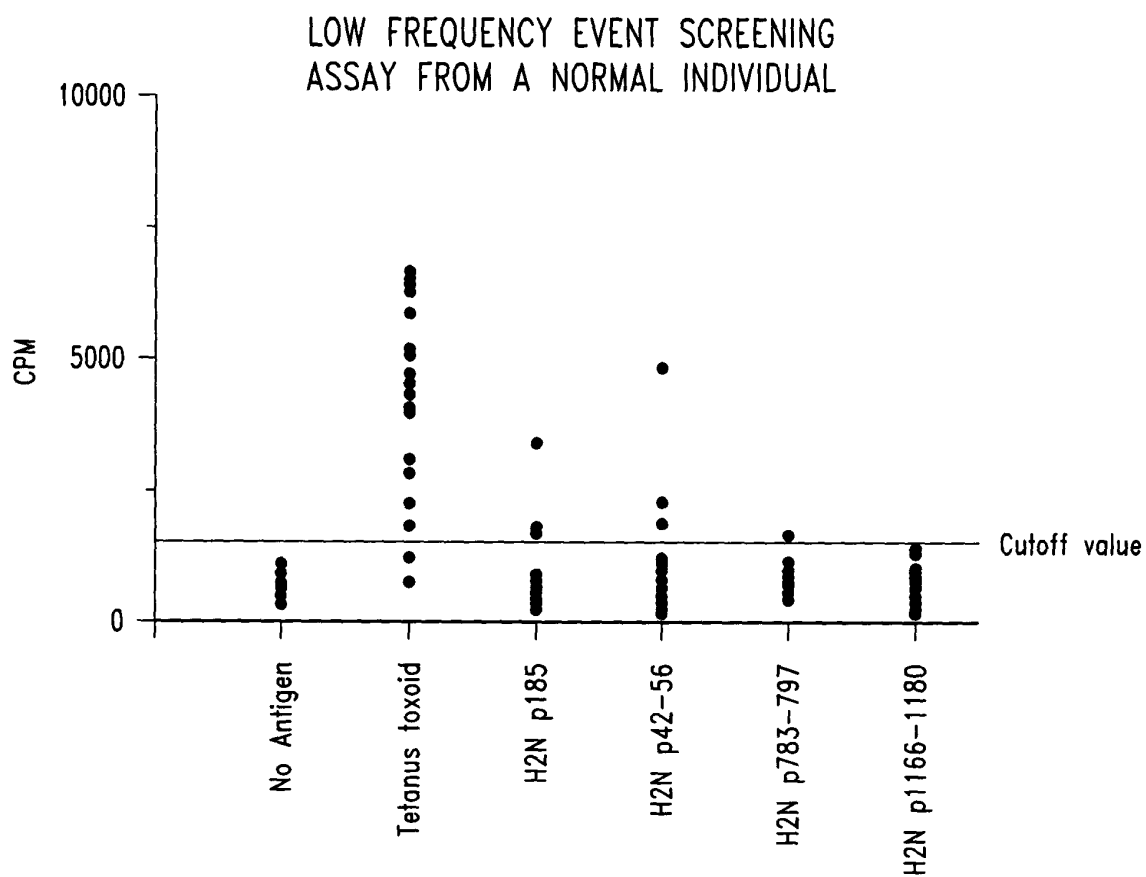


FIG. 2

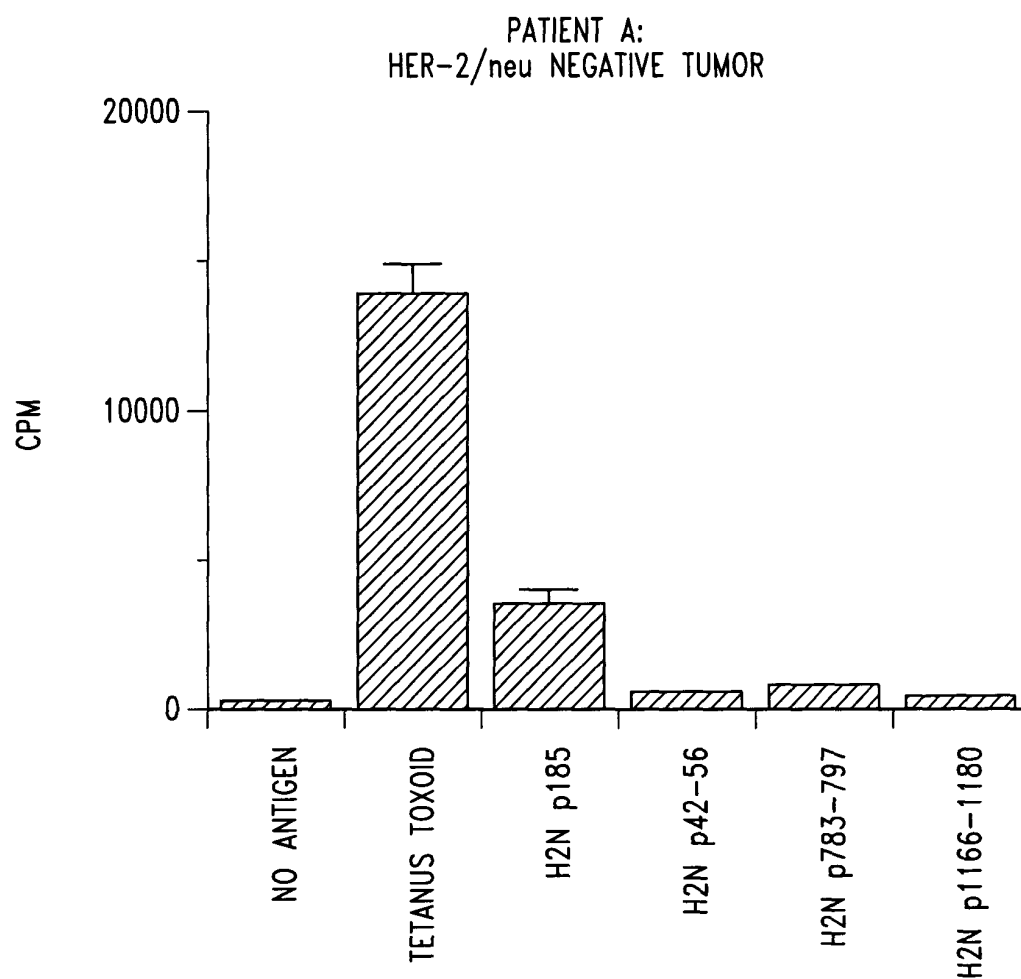


FIG. 3A

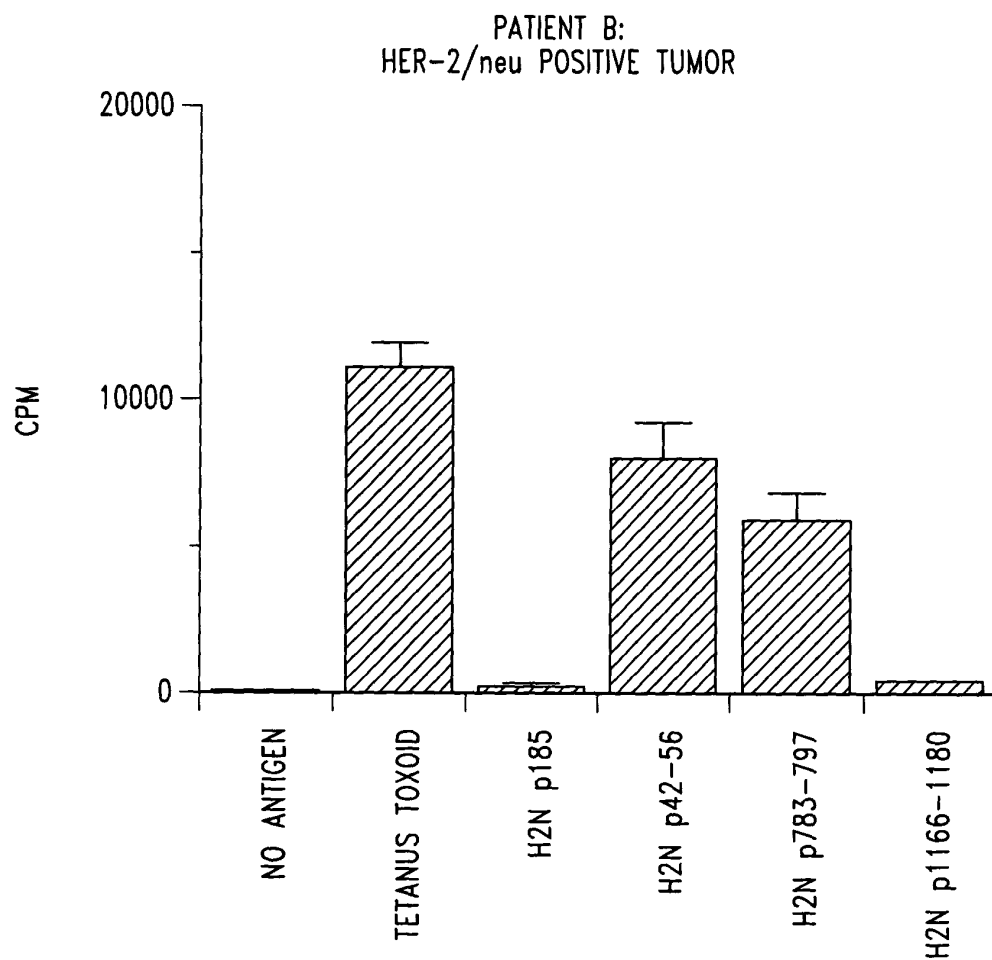


FIG. 3B

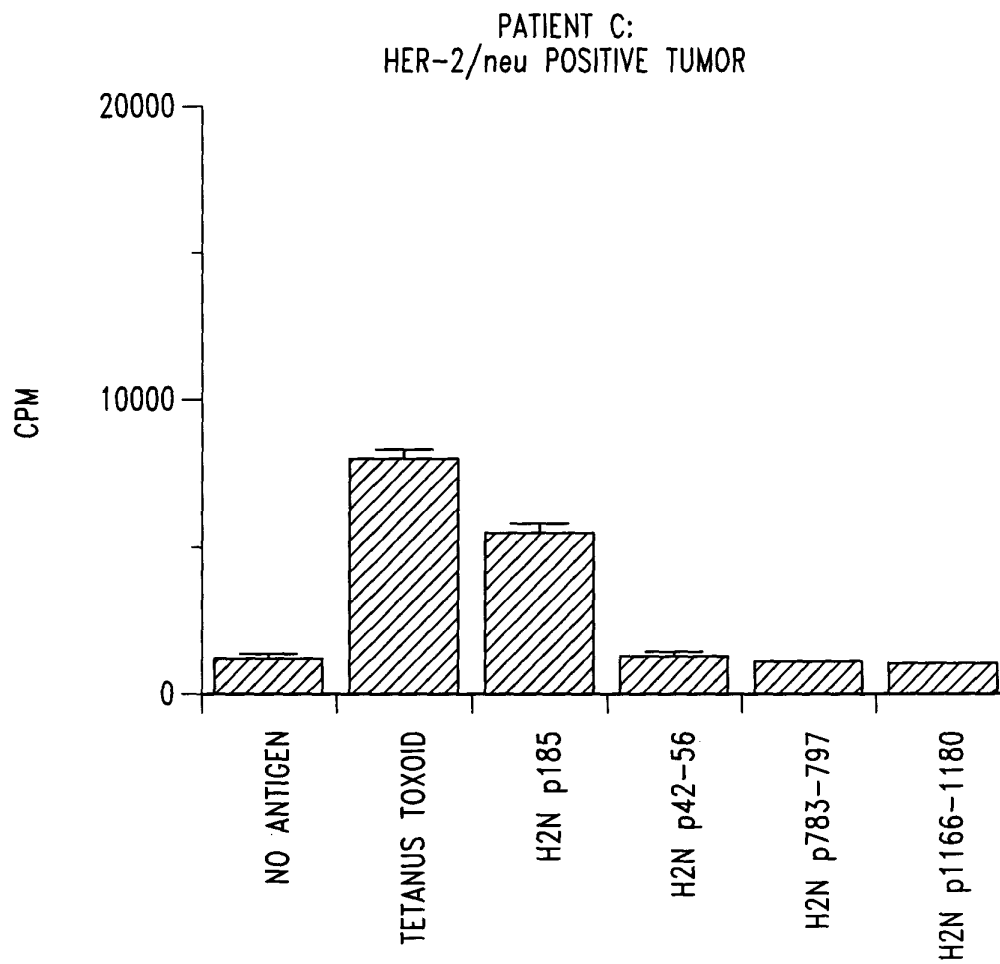


FIG. 3C

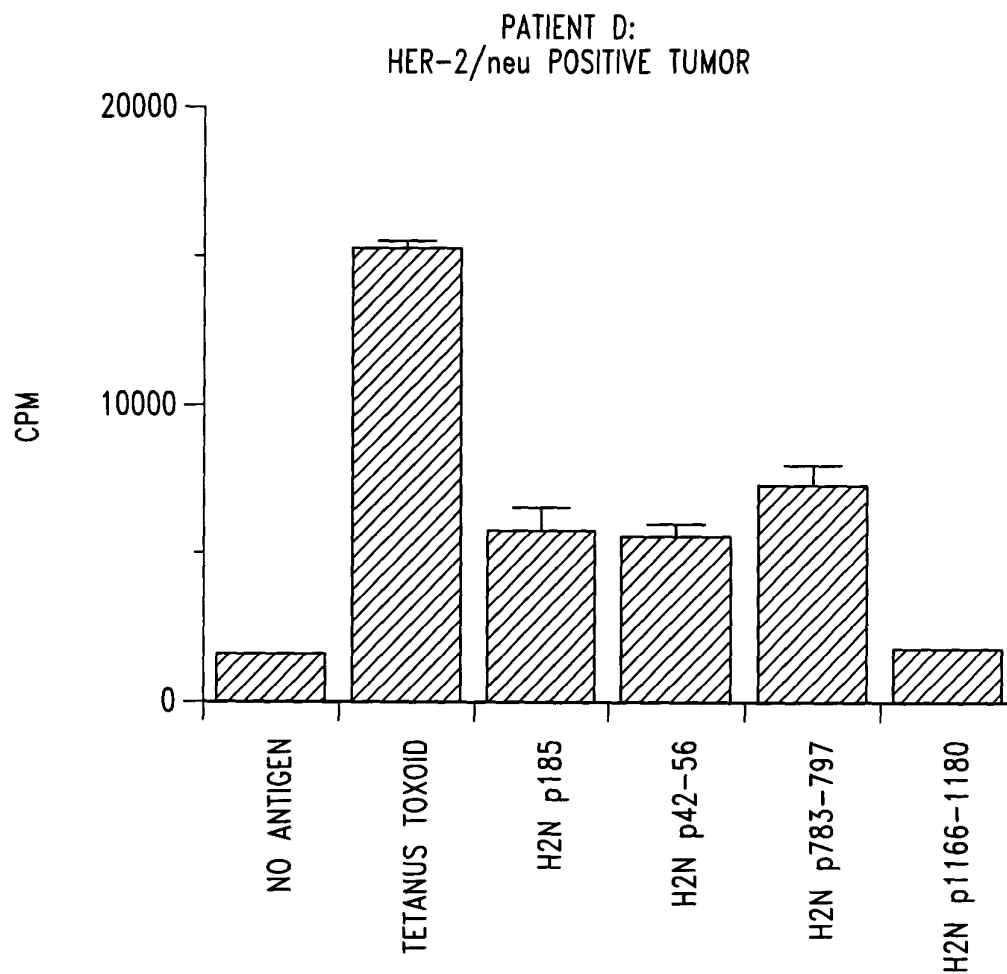


FIG. 3D

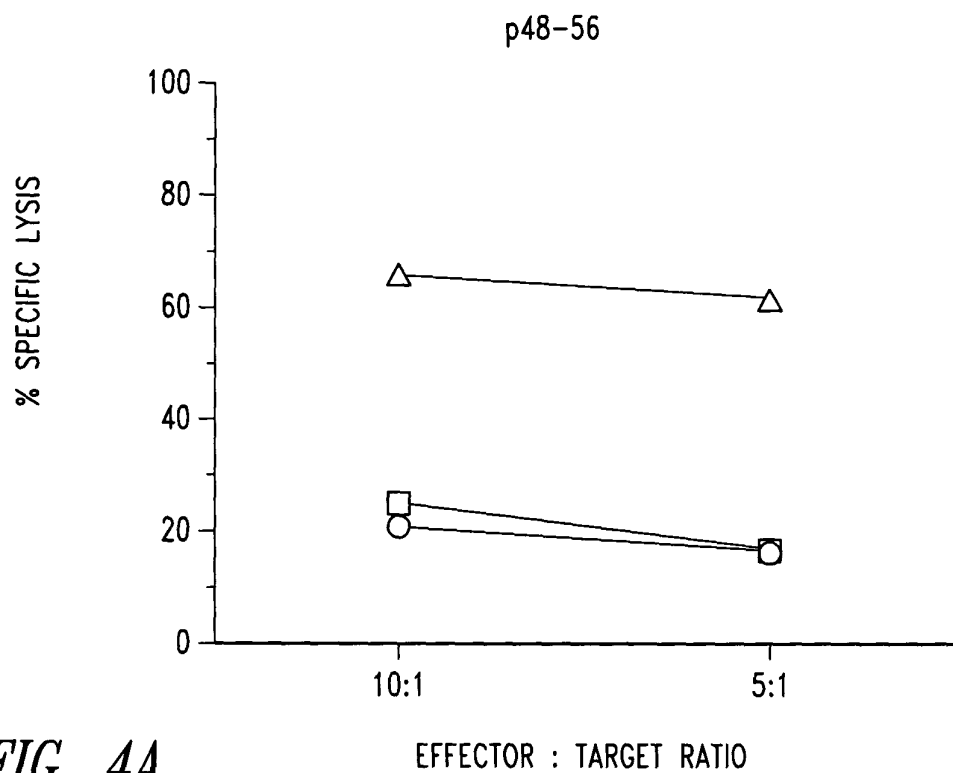


FIG. 4A

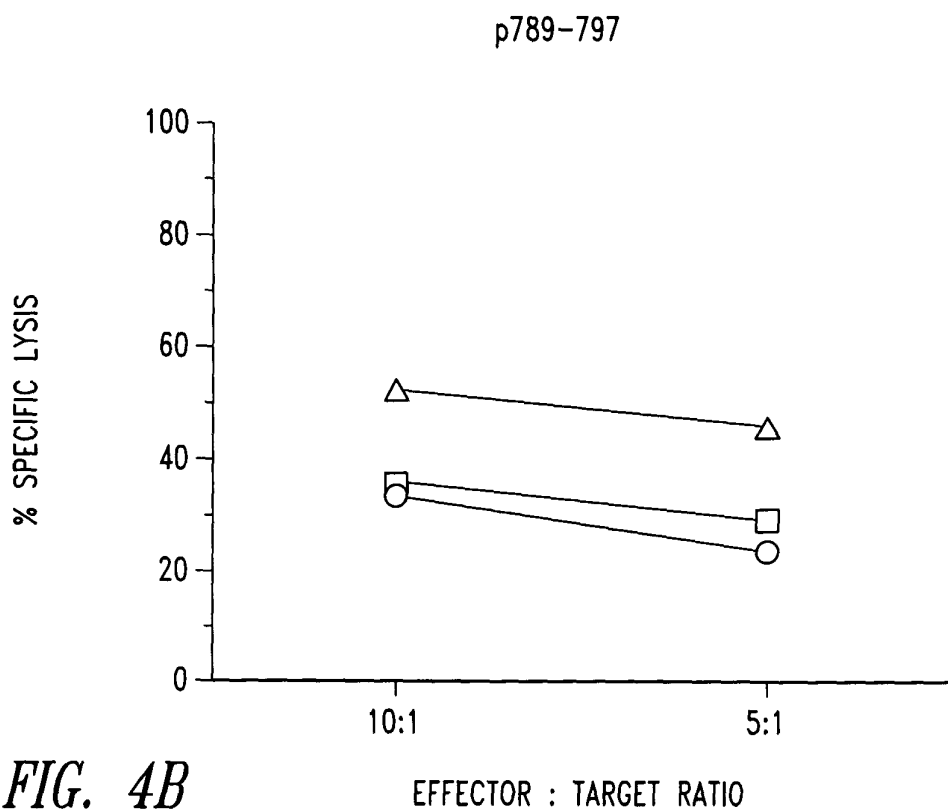


FIG. 4B

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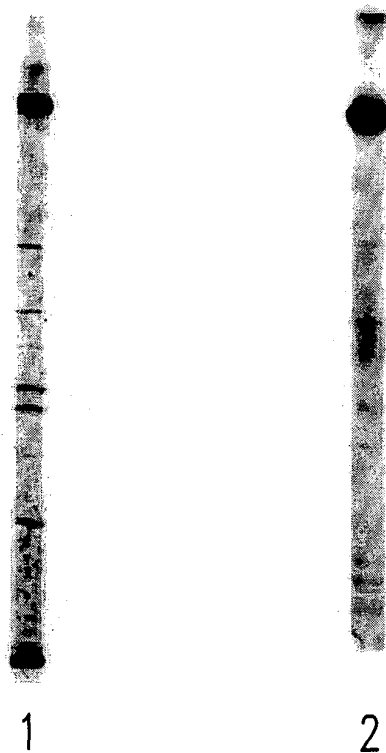


FIG. 5

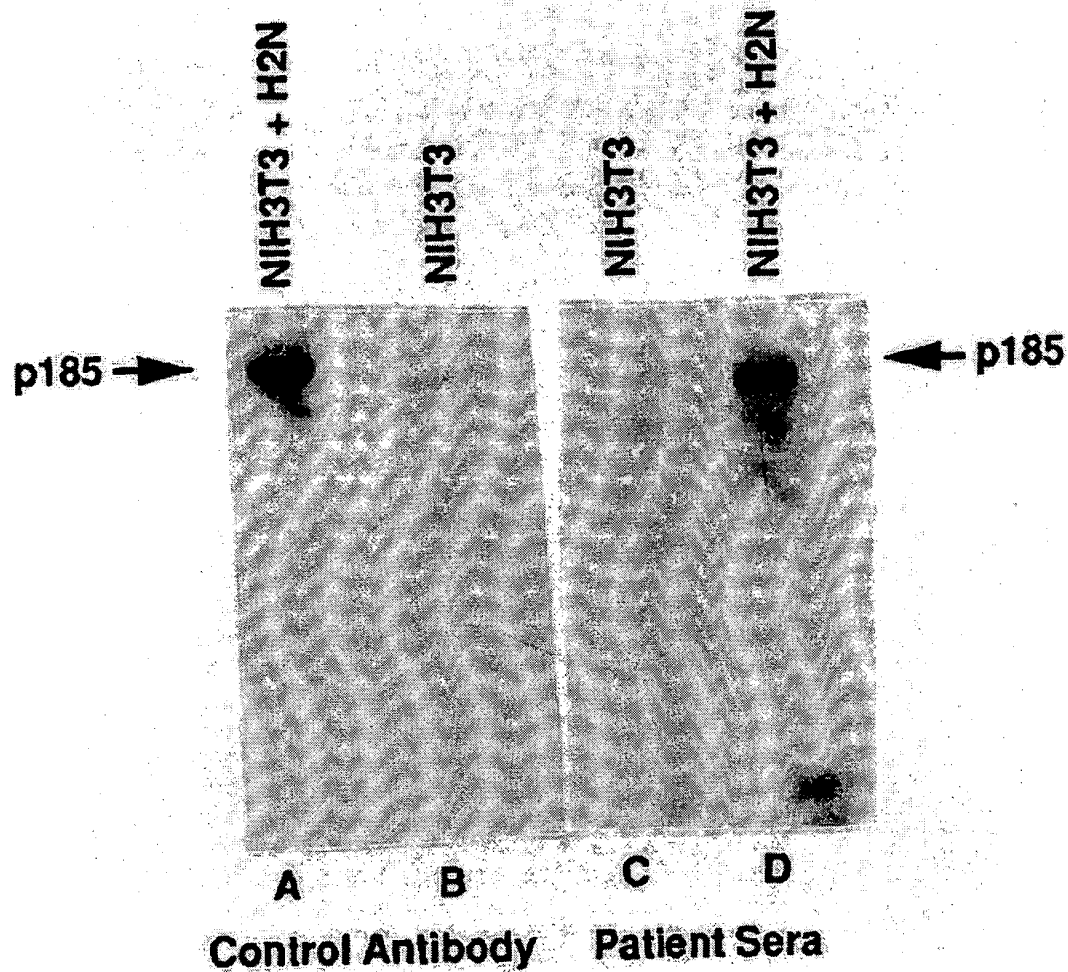


FIG. 6

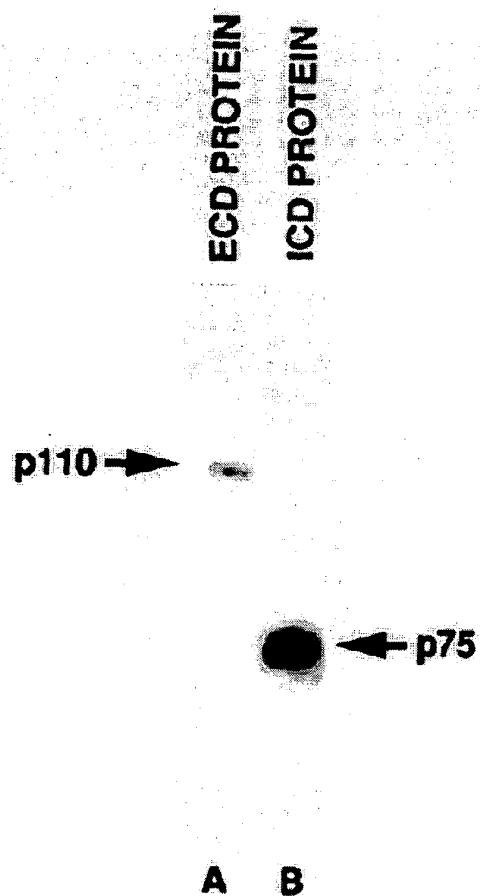


FIG. 7

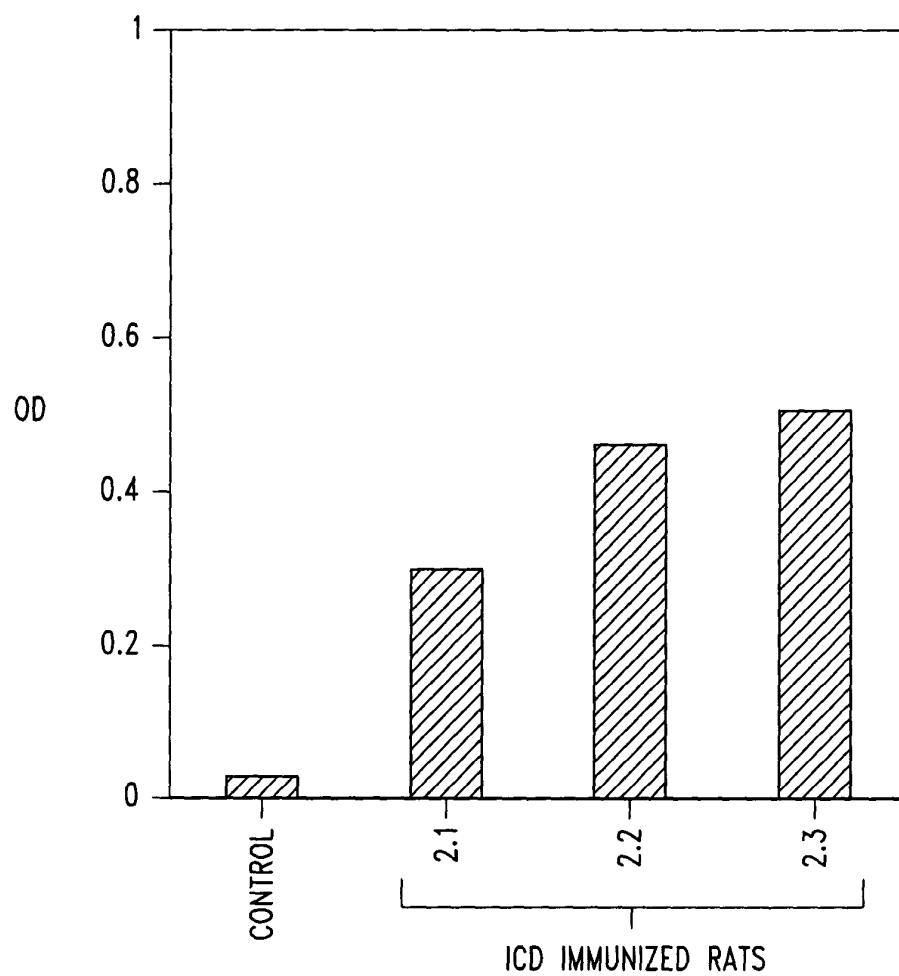


FIG. 8

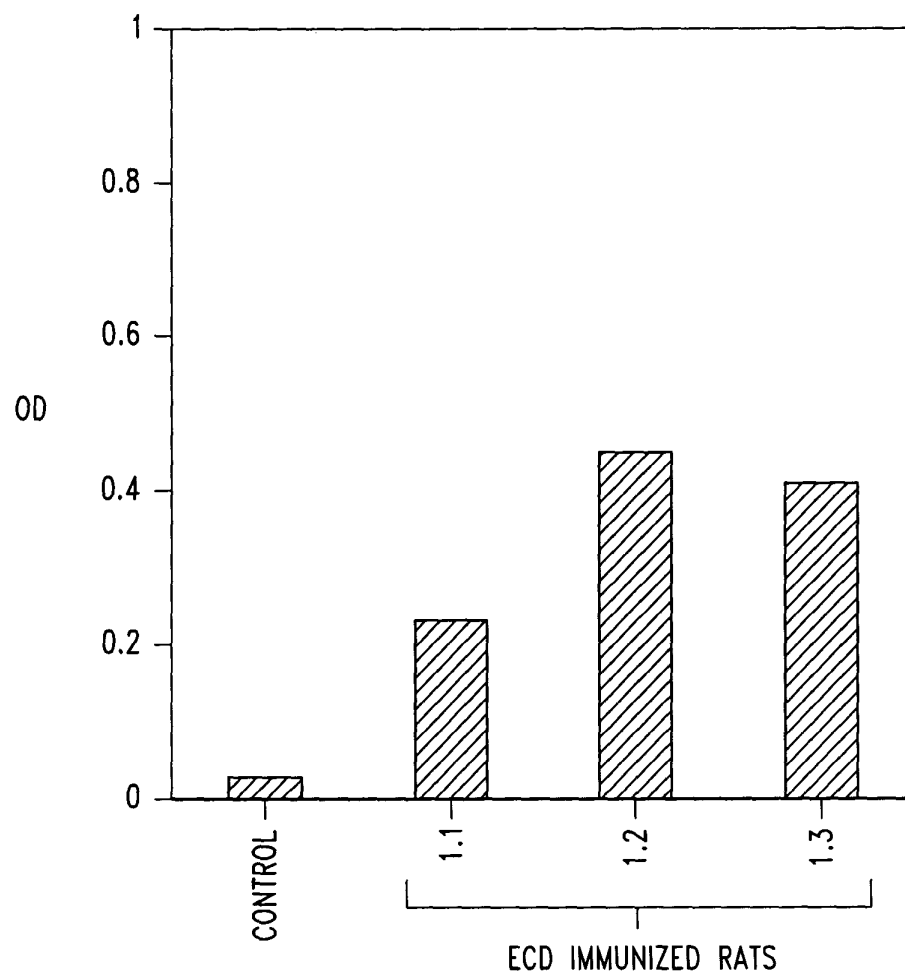


FIG. 9

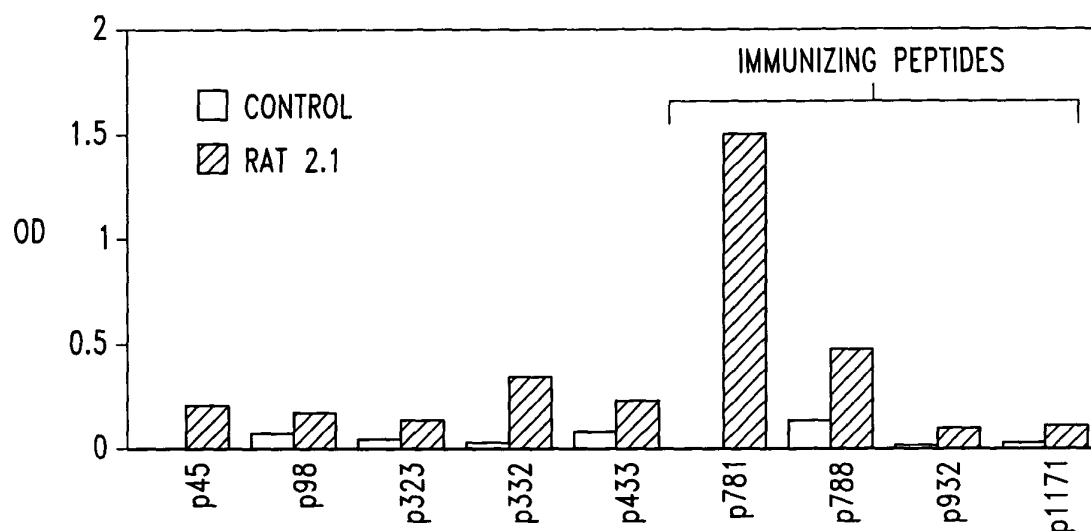


FIG. 10A

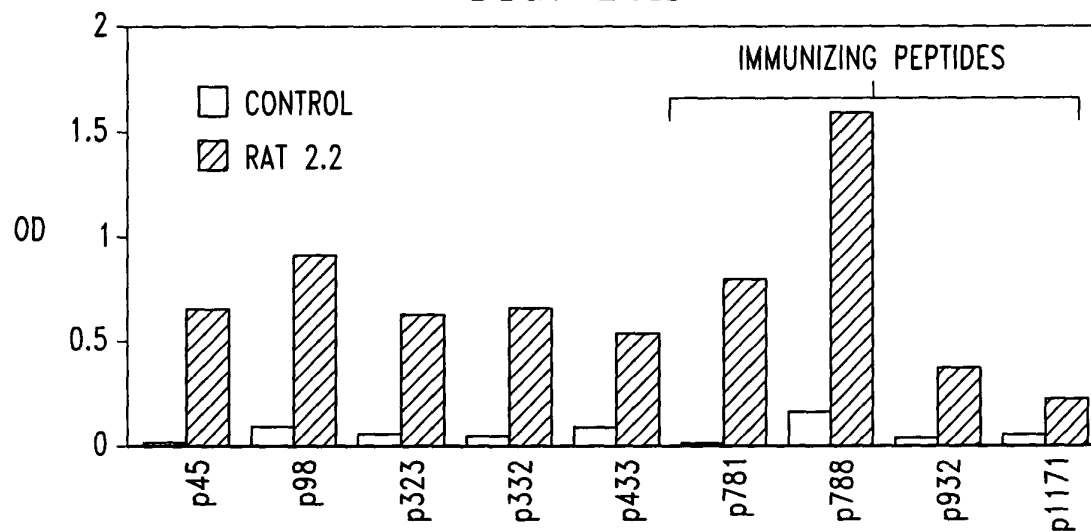


FIG. 10B

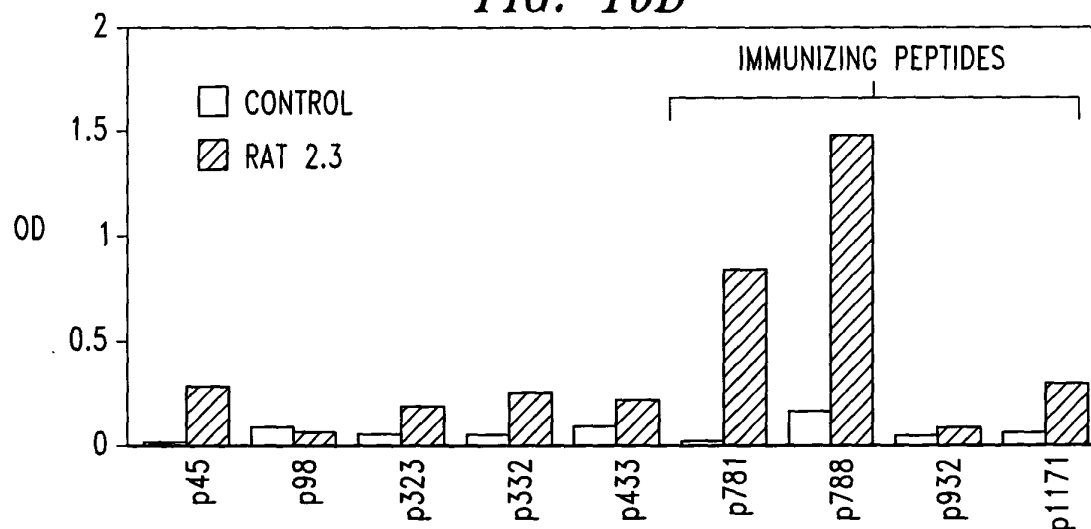
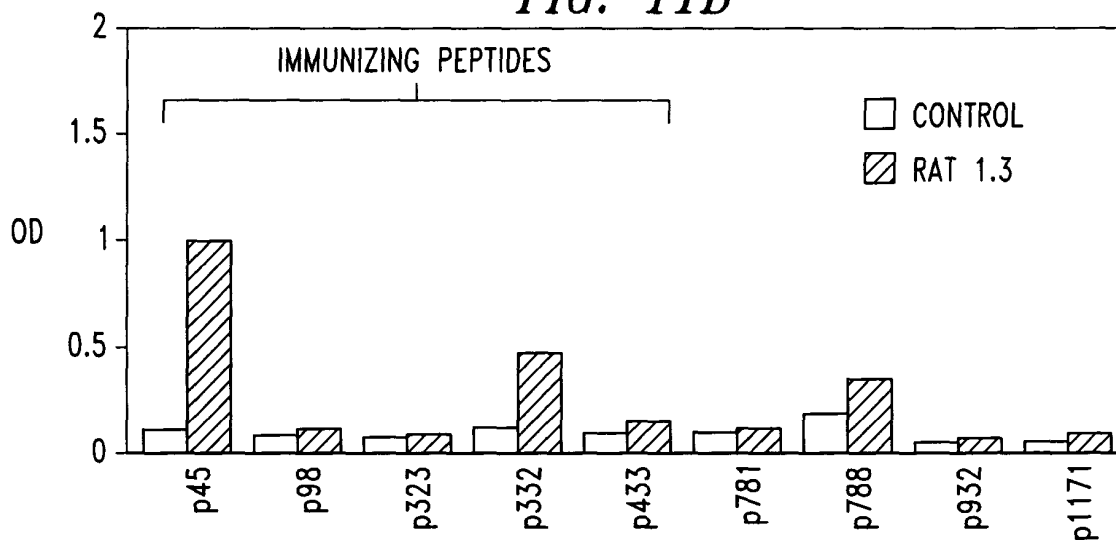
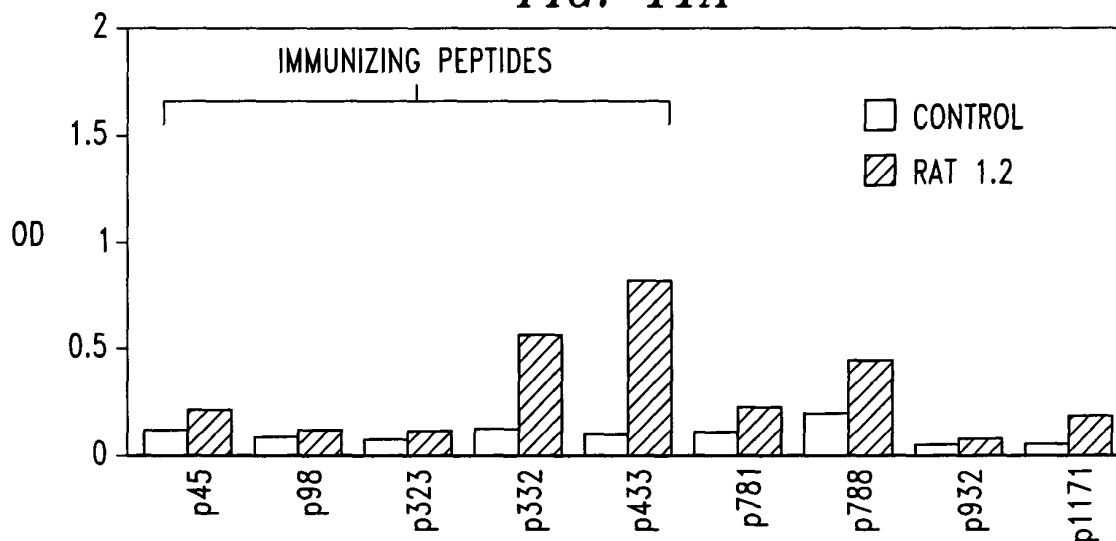
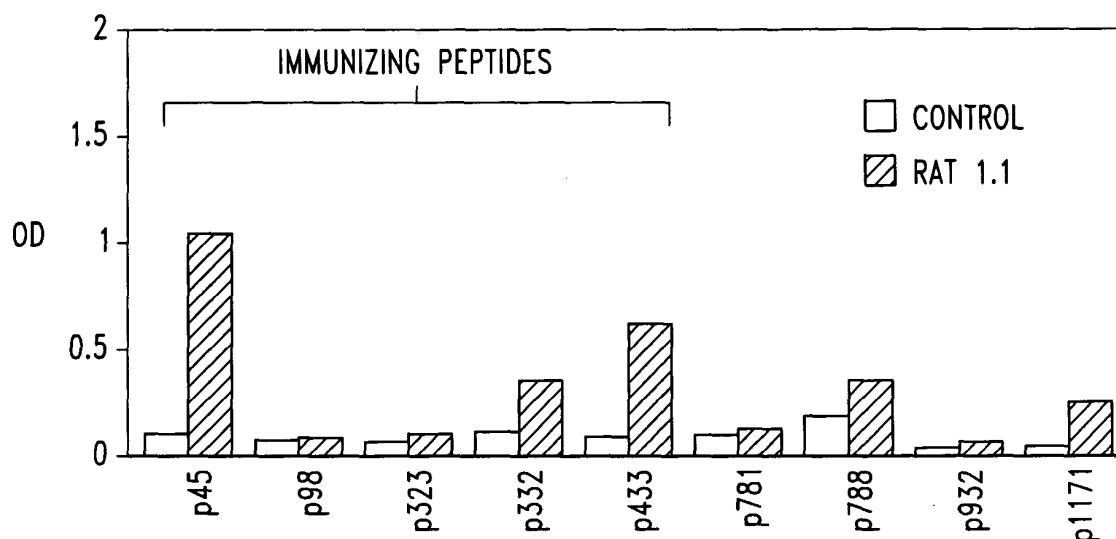


FIG. 10C



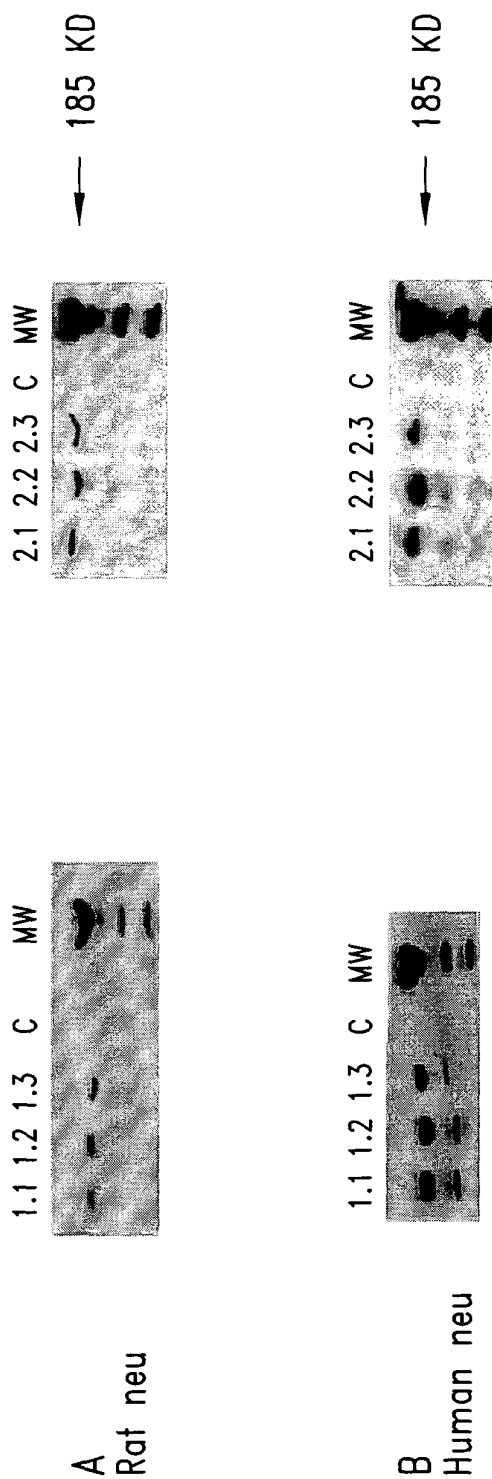


FIG. 12

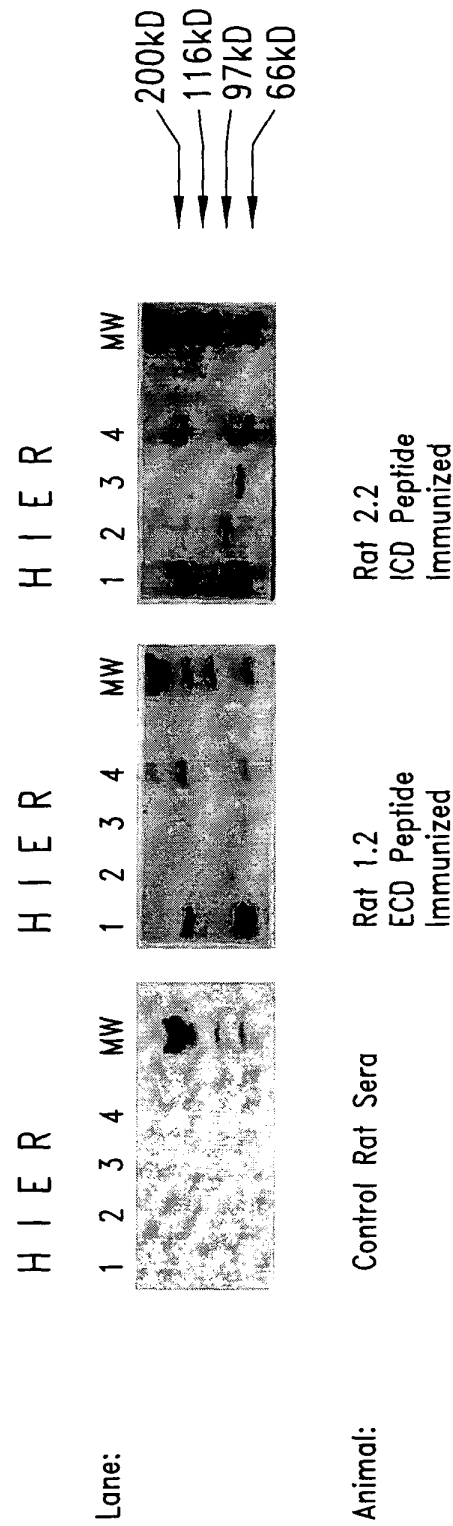


FIG. 13

FIG. 14A

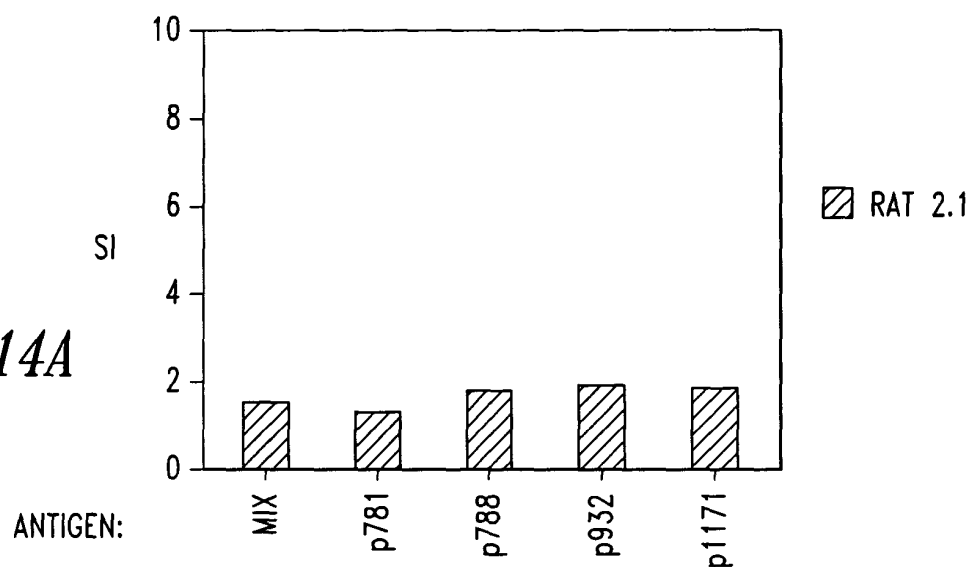


FIG. 14B

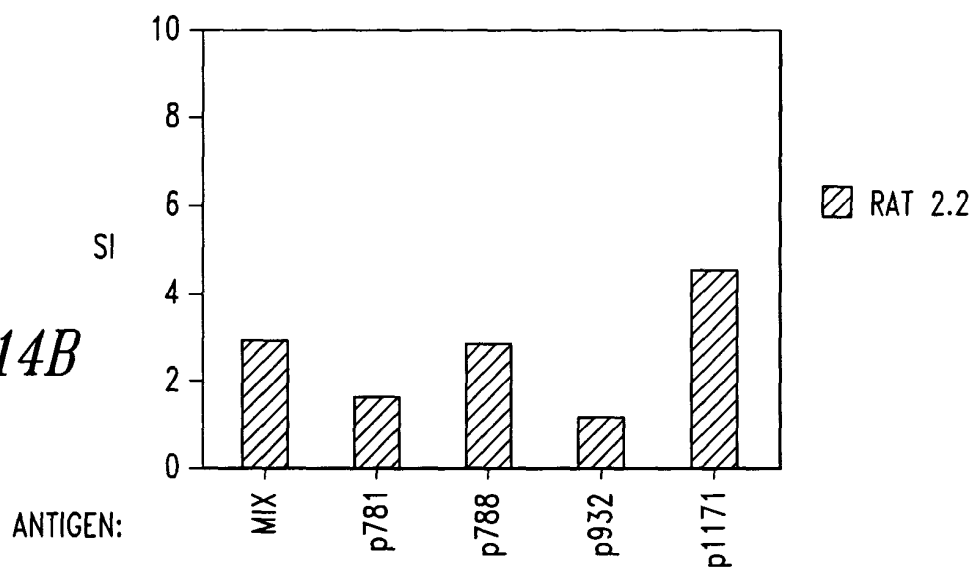
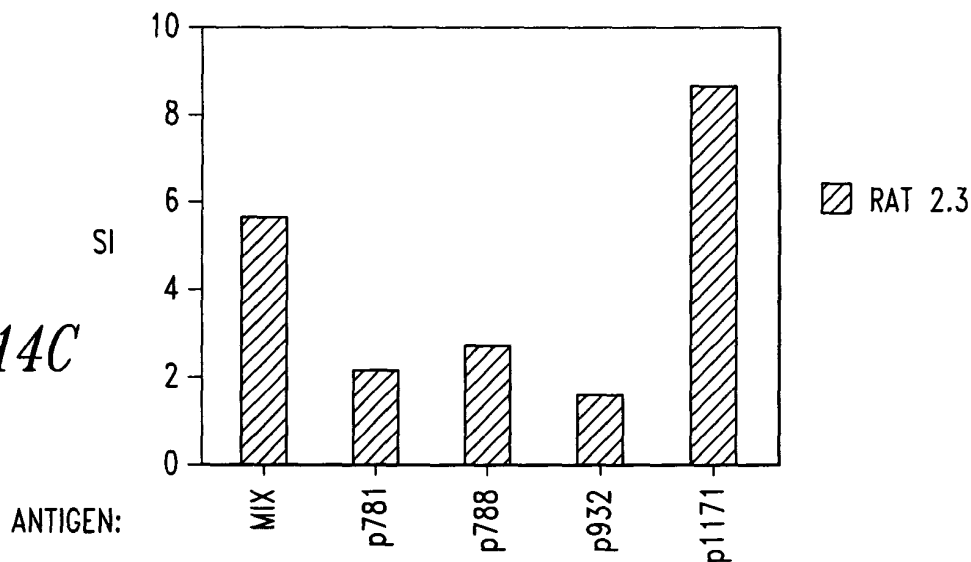


FIG. 14C



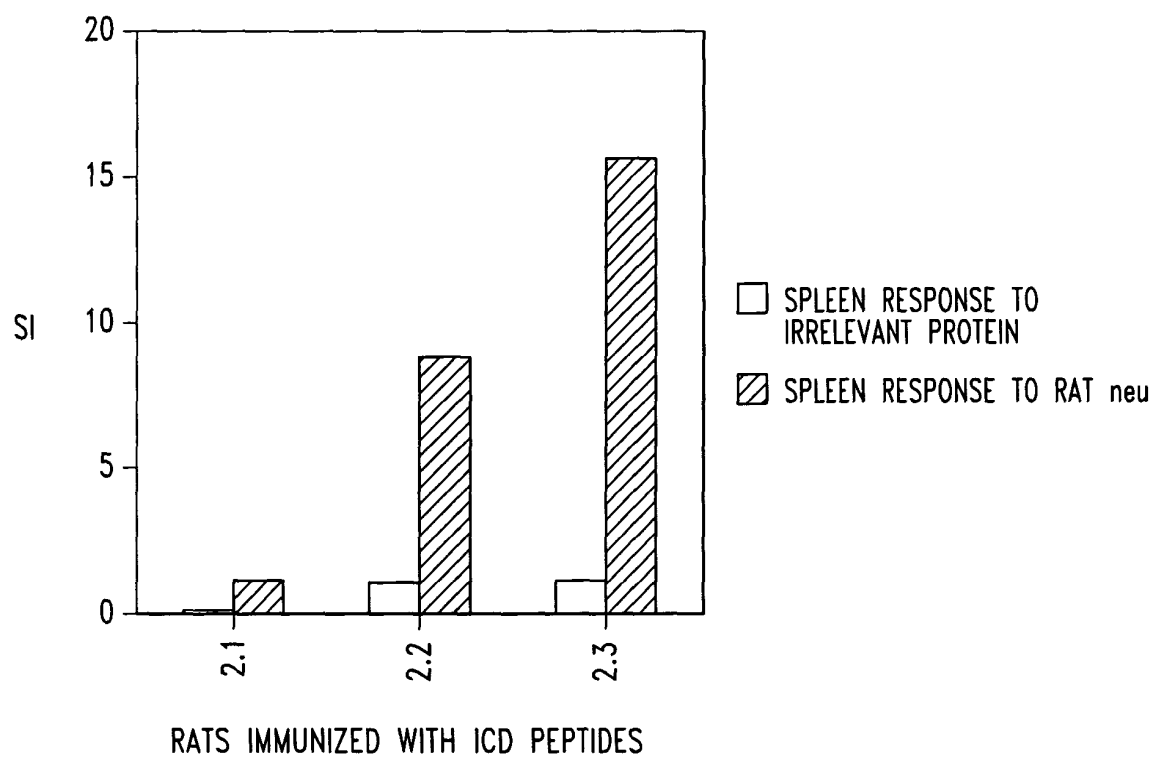


FIG. 15

FIG. 16A

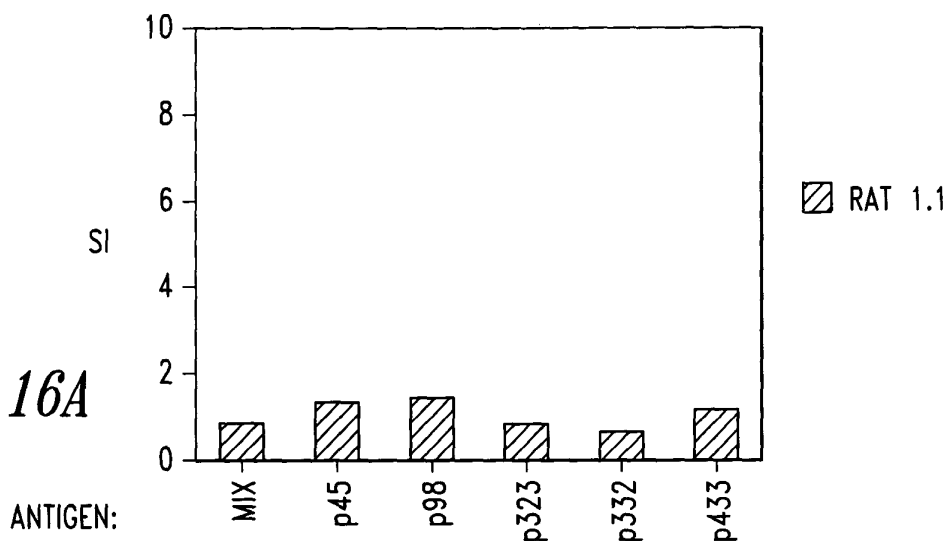


FIG. 16B

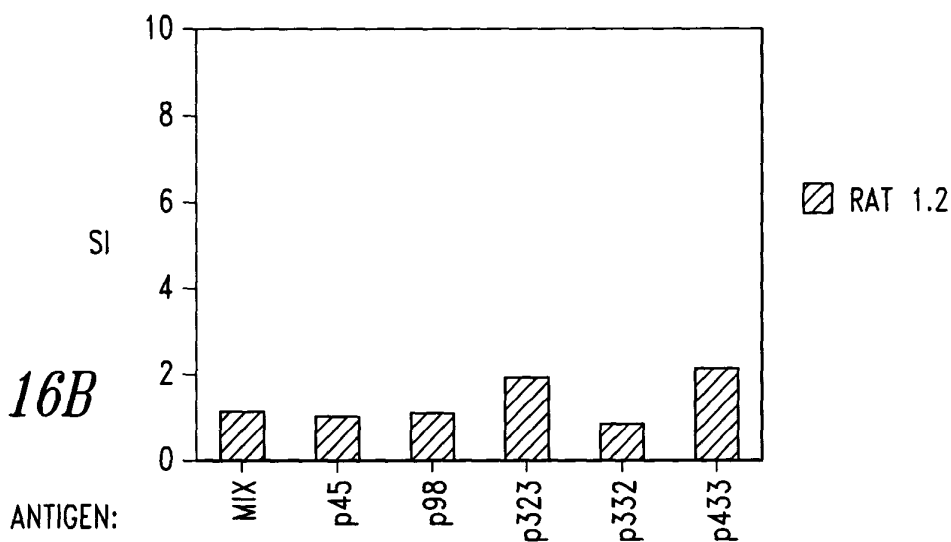
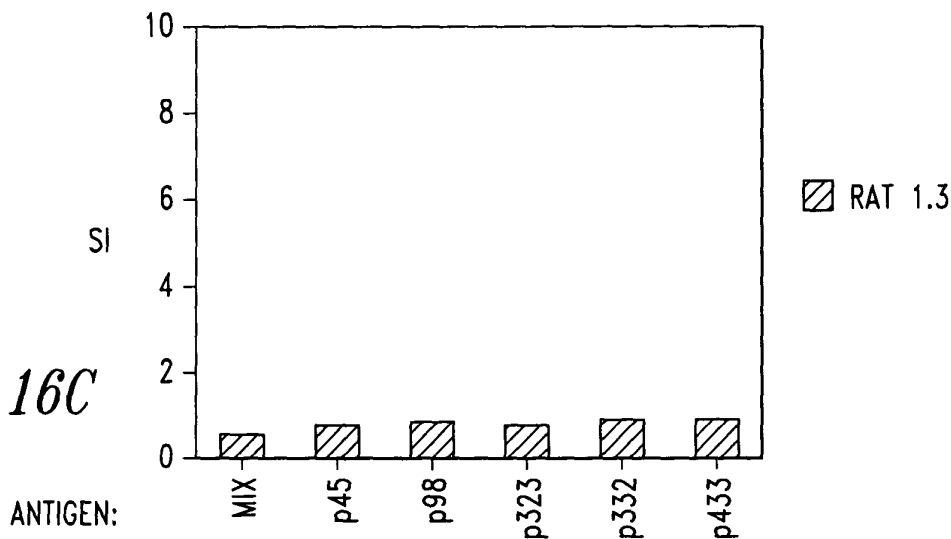


FIG. 16C



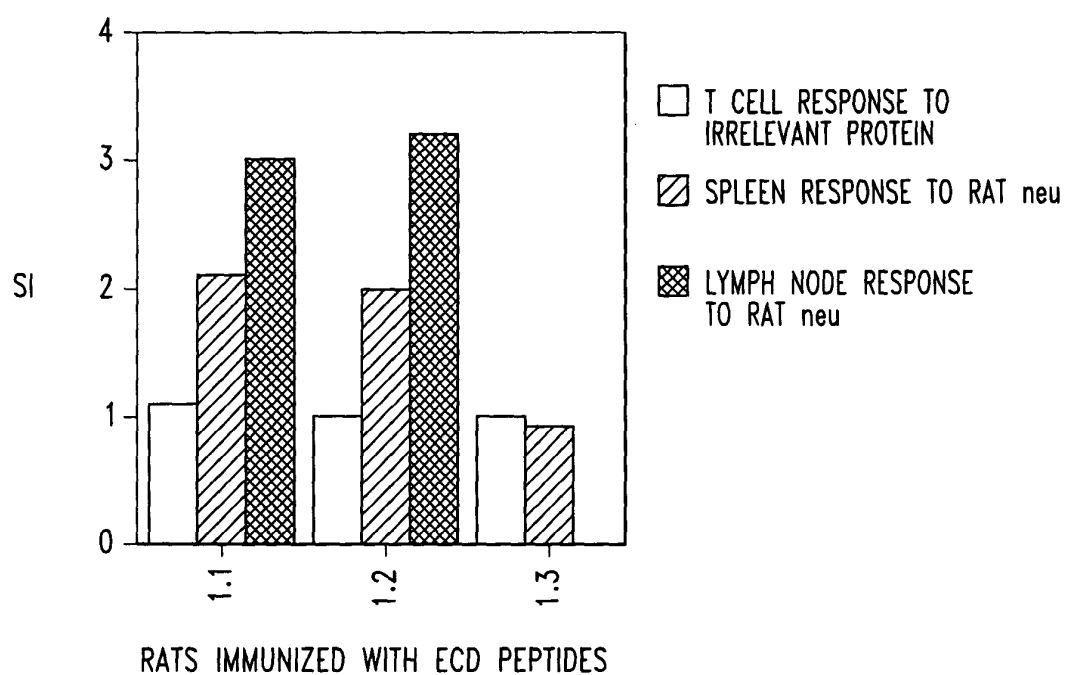


FIG. 17